IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:   09/881,564

Filing Date: June 14, 2001

Applicant: Kazuyoshi TAKEDA

Group Art Unit: UNKNOWN

Examiner: UNKNOWN

Title: **AUTOMATIC EVALUATION METHOD, AUTOMATIC EVALUATION SYSTEM, AND STORAGE MEDIUM STORING AUTOMATIC EVALUATION PROGRAM**

Attorney Docket: 9319S-000231

Commissioner of Patents and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to the Examination of this application please amend it as follows:

IN THE SPECIFICATION

Please replace the following paragraphs of the specification. Applicant includes herewith an Attachment for Specification Amendments showing a marked up version of each replacement paragraph.

[Page 4, line 12]   SUMMARY OF THE INVENTION

[Page 4, line 13]   In order to solve the above problems, an automatic evaluation method is an automatic evaluation method for automatically evaluating a program operating on a target system by referring to an output screen as a result of a

simulation corresponding to an arbitrary input event, in which the simulation is performed, reference to the output screen is made by a number of times corresponding to the number of states of the output screen on which the input event is reflected and which is renewed, and the reference result is successively compared with reference data corresponding to the number of times which is prepared in advance so that an automatic evaluation is carried out.

[Page 5, line 3] Further, according to an automatic evaluation method, the number of times is set together with data of the input event.

[Page 5, line 12] In order to solve the above problem, an automatic evaluation system is an automatic evaluation system for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, which comprises output screen reference means for, while the simulation is being performed, referring to the output screen by the number of times corresponding to the number of states of the output screen on which the input event is reflected and which is renewed, and evaluation means for successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance so that the automatic evaluation is carried out.

[Page 6, line 6] Further, the system further comprises a simulation unit which performs the simulation and reports a display rewriting completion event every time the output screen is renewed by the number of times.

[Page 6, line 18] In order to solve the problem, a storage medium storing an automatic evaluation program is a storage medium storing an automatic evaluation

program for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, and the automatic evaluation program comprises a step of reading an input event and reference data prepared in advance for the input event, a step of successively transmitting the read input event to cause execution of the simulation, a step of performing the simulation and referring to the output screen by the number of times corresponding to the number of states of the output screen on which the input event is reflected and which is renewed, and a step of carrying out an automatic evaluation by successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance.

[Page 7, line 13] Further, the automatic evaluation program further comprises a step of referring to the output screen every time a display rewriting completion event is received from a simulator, and repeating the automatic evaluation.

[Page 24, line 6] According to the storage medium storing the automatic evaluation program of the present invention, the display rewriting completion event is received, so that the result data of the simulation can be captured only at the timing when the simulation result becomes definite, in any state. Accordingly, stable reference data can be obtained, and highly reliable evaluation is enabled by this. The entire disclosure of Japanese Patent Application No. 2000-178342 filed June 14, 2000 is incorporated herein by reference.

Please delete the Abstract Section of the specification and replace it with the following abstract in clean form. Applicant includes herewith an Attachment for Specification Amendments showing a market up version of the previous version of the Abstract Section.

ABSTRACT

Evaluation accuracy is improved by setting, for each input event, the number of states of an output screen which the input event can take (types of the output screen on which the input event is reflected and which is renewed) as number-of-repetitions data, and repeating an evaluation for the one input event by the number of times.

IN THE CLAIMS

Please amend claims 1-5 in accordance with the following rewritten claims in clean form. Applicant includes herewith an Attachment for Claim Amendments showing a marked up version of each amended claim.

1.   (Amended) An automatic evaluation method for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, the automatic evaluation comprising:

performing the simulation and making reference to the output screen by a number of times corresponding to a number of states of the output screen on which the input event is reflected and which is renewed; and

successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance so that an automatic evaluation is carried out.

2.   (Amended) An automatic evaluation method as set forth in claim 1, wherein the number of times is set together with data of the input event.

3.   (Amended) An automatic evaluation system for automatically evaluating a program operating on a target system by referring to an output screen as a result of a

simulation corresponding to an arbitrary input event, the automatic evaluation system comprising:

output screen reference means for, while the simulation is being performed, referring to the output screen by a number of times corresponding to a number of states of the output screen on which the input event is reflected and which is renewed; and

evaluation means for successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance so that an automatic evaluation is carried out.

4.   (Amended) An automatic evaluation system as set forth in claim 3, further comprising a simulation unit which performs the simulation and reports a display rewriting completion event every time the output screen is renewed by the number of times.

5.   (Amended) A storage medium storing an automatic evaluation program for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, the storage medium storing the automatic evaluation program comprising:

a step of reading an input event and reference data prepared in advance for the input event;

a step of successively transmitting the read input event to cause execution of the simulation;

a step of performing the simulation and referring to the output screen by [the]a number of times corresponding to a number of states of the output screen on which the input event is reflected and which is renewed; and

a step of carrying out an automatic evaluation by successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance.

REMARKS

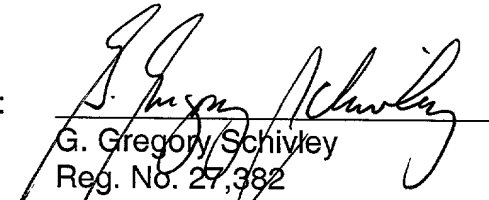The purpose of this preliminary amendment is to clarify the translation.

Favorable consideration of this application is respectfully requested.

Respectfully submitted,

Dated: _Oct 9, 2001_

By: _____
G. Gregory Schivley
Reg. No. 27,382
Bryant E. Wade
Reg. No. 40,344

Harness, Dickey & Pierce
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

GGS/BEW/jah

The following is a marked up version of each replacement paragraph and/or section of the specification in which underlines indicates insertions and brackets indicate deletions.

[Page 4, line 12] [DISCLOSURE] SUMMARY OF THE INVENTION

[Page 4, line 13] In order to solve the above problems, an automatic evaluation method [as set forth in claim 1] is an automatic evaluation method for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, in which the simulation is performed, reference to the output screen is made by a number of times corresponding to the number of states of the output screen on which the input event is reflected and which is renewed, and the reference result is successively compared with reference data corresponding to the number of times which is prepared in advance so that an automatic evaluation is carried out.

Page 5, line 3] Further, according to an automatic evaluation method [as set forth in claim 2, in the method as set forth in claim 1], the number of times is set together with data of the input event.

[Page 5, line 12] In order to solve the above problem, an automatic evaluation system [as set forth in claim 3] is an automatic evaluation system for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, which comprises output screen reference means for, while the simulation is being performed, referring to the

output screen by the number of times corresponding to the number of states of the output screen on which the input event is reflected and which is renewed, and evaluation means for successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance so that the automatic evaluation is carried out.

[Page 6, line 6] Further, [according to an automatic evaluation system as set forth in claim 4], the system [as set forth in claim 3] further comprises a simulation unit which performs the simulation and reports a display rewriting completion event every time the output screen is renewed by the number of times.

[Page 6, line 18] In order to solve the problem, a storage medium storing an automatic evaluation program [as set forth in claim 5] is a storage medium storing an automatic evaluation program for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, and the automatic evaluation program comprises a step of reading an input event and reference data prepared in advance for the input event, a step of successively transmitting the read input event to cause execution of the simulation, a step of performing the simulation and referring to the output screen by the number of times corresponding to the number of states of the output screen on which the input event is reflected and which is renewed, and a step of carrying out an automatic evaluation by successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance.

[Page 7, line 13] Further, [according to the recitation of claim 6, in the storage medium as set forth in claim 5,] the automatic evaluation program further comprises a

step of referring to the output screen every time a display rewriting completion event is received from a simulator, and repeating the automatic evaluation.

[Page 24, line 6] According to the storage medium storing the automatic evaluation program of the present invention, the display rewriting completion event is received, so that the result data of the simulation can be captured only at the timing when the simulation result becomes definite, in any state. Accordingly, stable reference data can be obtained, and highly reliable evaluation is enabled by this. The entire disclosure of Japanese Patent Application No. 2000-178342 filed June 14, 2000 is incorporated herein by reference.

The following is a marked up version of each amended claim in which underlines indicate insertions and brackets indicate deletions.

1.   (Amended) An automatic evaluation method for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, the automatic evaluation [method being characterized in that an automatic evaluation is carried out by]comprising:

performing the simulation and making reference to the output screen by a number of times corresponding to [the] a number of states of the output screen on which the input event is reflected and which is renewed; and

successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance so that an automatic evaluation is carried out.

2.   (Amended) An automatic evaluation method as set forth in claim 1, [characterized in that] wherein the number of times is set together with data of the input event.

3.   (Amended) An automatic evaluation system for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, the automatic evaluation system [being characterized by] comprising:

output screen reference means for, while the simulation is being performed, referring to the output screen by a number of times corresponding to [the] a number of

states of the output screen on which the input event is reflected and which is renewed; and

evaluation means for successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance so that an automatic evaluation is carried out.

4. (Amended) An automatic evaluation system as set forth in claim 3, [characterized by] further comprising a simulation unit which performs the simulation and reports a display rewriting completion event every time the output screen is renewed by the number of times.

5. (Amended) A storage medium storing an automatic evaluation program for automatically evaluating a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, the storage medium storing the automatic evaluation program [being characterized in that] comprising:

[the automatic evaluation program comprises:]

a step of reading an input event and reference data prepared in advance for the input event;

a step of successively transmitting the read input event to cause execution of the simulation;

a step of performing the simulation and referring to the output screen by [the]a number of times corresponding to [the]a number of states of the output screen on which the input event is reflected and which is renewed; and

a step of carrying out an automatic evaluation by successively comparing the reference result with reference data corresponding to the number of times which is prepared in advance.

Evaluation accuracy is improved by setting, for each input event, the number of states of an output screen which the input event can take (types of the output screen on which the input event is reflected and which is renewed) as number-of-repetitions data, and repeating an evaluation for the one input event by the number of times.

[An automatic evaluation system automatically evaluates a program operating on a target system by referring to an output screen as a result of a simulation corresponding to an arbitrary input event, in which a simulator 31 performs the simulation, an output screen reference portion 112 refers to the output screen by the number of times corresponding to the number of states of the output screen on which the input event is reflected and which is renewed, and an evaluation system core 111 successively compares the reference result with reference data corresponding to the number of times which is prepared in advance so that an automatic evaluation is carried.]